

Carbohydrate Research 263 (1994) C9-C10

AUTHOR INDEX

Adinolfi, M. 103 Angyal, S.J. 1, 149 Antonakis, K. 309

Bender, H. 123, 137 Bernlind, C. 173 Bezemer, L. 197 Bhatti, B.S. 67 Bhujbal, N.N. 303 Brade, H. 35

Čapková, J. 61 Casu, B. 271 Colquhoun, I.J. 243 Corsaro, M.M. 103 Craig, D.C. 149

Dais, P. 13 De Jeso, B. 155 Delaude, C. 79 Desai, S.G. 303 Dhavale, D.D. 303

Elgasaeter, A. 111

Faulds, C.B. 227, 243, 257 Folkard, G. 103 Fry, S.C. 285 Fujita, S. 181

Gilli, R. 315 Grant, W. 103 Grazioli, G. 271 Guerrini, M. 271

Hagiwara, T. 167 Hara, C. 111 Harket, M. 155 Hirano, M. 89 Hori, T. 111 Ido, T. 167 Iida, M. C1 Israëli, Y. 25 Itoh, W. 111

Jain, R.K. 67 Jann, B. 217 Jann, K. 217 Joshi, P. 303

Kacuráková, M. 315 Kholodkova, E.V. 327 Kijima-Suda, I. 167 Kitamura, S. 111 Kiyohara, H. 89 Knirel, Y.A. 327 Kochanowski, H. 217 Kocharova, N.A. 327 Kochetkov, N.K. 327 Kosma, P. 35 Kuil, M.E. 197 Kurita, K. 111

Lanzetta, R. 103 Lartigue, J.-C. 155 Leclercq, F. 309 Leyte, J.C. 197 Lindahl, U. 271 Lorences, E.P. 285

Mathlouthi, M. 315 Matsumoto, T. 89 Matta, K.L. 67 Medina, E.C. 209 Mikol, V. 35 Minnikin, D.E. 43 Mizota, T. 163 Moravcová, J. 61 Morel-Desrosiers, N. 25 Morel, J.-P. 25 Naggi, A. 271 Navarini, L. 315 Nishida, Y. 295 Numata, M. C1, 181 Numomura, S. C1

Ogawa, T. C1, 181 Ohrui, H. 167 Oreste, P. 271 Oscarson, S. 173

Paoletti, S. 315 Parrilli, M. 103 Penders, A. 79 Petraud, M. 155

Ralet, M.-C. 227, 243, 257 Ratier, M. 155 Ratnayake, S. 209 Razi, N. 271 Reddy, G.V. 67

Seki, N. 163 Shashkov, A.A. 217 Shashkov, A.S. 327 Shimamura, S. 163 Staněk, J. 61 Stanislavsky, E.S. 327 Stokke, B.T. 111 Sugimoto, M. C1, 181 Sun, X.-B. 89 Sutherland, J. 103 Suzawa, I. 163

Tabata, K. 111
Takeo, K. 111
Tamura, Y. 163
Thibault, J.-F. 227, 243, 257
Thiem, J. 295
Tomita, K. 167, 181
Torri, G. 271
Tursi, F. 271

Wallace, P.A. 43 Weintraub, A. 209 Wen, X.-G. 89 Widmalm, G. 173, 209 Williamson, G. 227, 243, 257

Yamada, H. 89

Zoppetti, G. 271

SUBJECT INDEX

- Acetalation of D-xylose, preparation of 1,2-Oisopropylidene-α-D-xylofuranose, 61
- N-Acetylneuraminic acid, 3-fluoro-, inhibition of bacterial and viral sialidases by, 167
- Allyl-Kdo, crystal and molecular structure, 35
- Allyl O-(sodium 3-deoxy-α-D-manno-2-octulopyranosylonate)-(2 → 8)-O-(sodium 3-deoxy-α-D-manno-2-octulopyranosidonate)monohydrate, crystal and molecular structure. 35
- 1,6-Anhydro-β-D-glucopyranose, a ¹³C NMR relaxation study in dimethyl sulfoxide, 13
- O-Antigen, 327
- O-Antigen polysaccharide, structural studies of the Escherichia coli O90, 209
- Anti-ulcer pectic polysaccharide from leaves of Panax ginseng C.A. Meyer, characterisation, 89
- Antithrombin, 271
- Blighia welwitschii, structure of a new glycosylated triterpene from the fruit of, 79
- Cations, complexation of trivalent lanthanide, by sugars and alditol in water, chromatography-calorimetry comparison, 25
- Chemical N- and O-sulfation, 271
- ¹³C NMR relaxation study, 1,6-anhydro-β-D-glucopyranose in dimethyl sulfoxide, 13
- Coagulant polysaccharide fraction from Strychnos potatorum seeds, composition, 103
- Complexation of trivalent lanthanide cations, by sugar and alditols in water, chromatography-calorimetry comparison, 25
- Conformational and NMR studies of methyl α-D-mannopyranoside monophosphates, 173 Conformational transitions, 197
- Cryptoporus volvatus, an antitumor, branched (1 → 3)-β-10-glucan from a water extract of fruiting bodies of, 111

- Crystal structure of neo-inositol, the unusually stable, 149
- Cyclohexylidene acetals of α,α' -trehalose, synthesis, 43
- De-N-acetyl GM₂, total synthesis of a modified ganglioside, 181
- Decycling maltodextrinase of Flavobacterium sp., transglycosylation with malto-oligosaccharides and cyclodextrins, 123
- Decycling maltodextrinase of Flavobacterium sp., action pattern on potato starch, 137
- 1-(2,3-Dideoxy-6-O-diethoxyphosphoryl-pglycero-hex-2-enopyranosyl-4-ulose)thymine α and β anomers, synthesis and molecular modelling, 309
- 6-Deoxyheptulosurono-7,4-lactones, use of sugar β-ketoesters as intermediates in the synthesis of, 303
- Dimethyl sulfoxide solution, the composition of reducing sugars in, 1
- Driselase, 285
- E. coli K5 polysaccharide, 271
- Enteric bacteria, 327
- Escherichia coli O6: K2: H1, O6: K13: H1, and O6: K54: H10, structural comparison of the O6-specific polysaccharides, 217
- Escherichia coli O90 O-antigen polysaccharide, structural studies, 209
- Ferulic acid esterases from A. niger, degradation of feruloylated oligosaccharides from sugar-beet pulp and wheat bran, 257
- Feruloylated oligosaccharides from cell walls of sugar-beet pulp, isolation and purification, 227
- Feruloylated oligosaccharides from sugar-beet pulp and wheat bran, degradation by ferulic acid esterases from A. niger, 257

Feruloylated oligosaccharides from sugar-beet pulp, structure identification by NMR spectroscopy, 243

Galactan and galactomannan components of the coagulant polysaccharide fraction from Strychnos potatorum seeds, 103

α-D-Galactopyranosyl-linked oligosaccharides, synthesis of, containing the Galα → Galβ → GleNAc sequence employing methyl 2,3,4,6tetra-O-(4-methoxybenzyl)-1-thio-β-D-galactopyranoside as an efficient glycosyl donor, 67

Ganglioside, de-N-acetyl GH₂, total synthesis of a modified, 181

β-D-Glucan, an antitumor, branched (1 → 3), from a water extract of fruiting bodies of Cryptoporus volvatus, 111

Glycolipid antigens, synthesis of a tri-O-cyclohexylidene-α,α'-trehalose 2-palmitate as an intermediate for the synthesis of 2,3-di-O-acyl-α,α'-trehalose, 43

B-D-Glucosidase, 285

Glycosylated triterpene from the fruit of Blighia welwitschii, structural elucidation, 79

Heptulosurono-7,4-lactones, use of sugar β -ketoesters as intermediates in the synthesis of 6-deoxy, 303

Isoprimeverose, 285

1,2-O-Isopropylidene-α-p-xylofuranose, a onepot synthesis, 61

Lactulose trihydrate, solubility of, 163

Lanthanide cations, complexation of trivalent, by sugars and alditols in water, chromatography-calorimetry comparison, 25

Lex pentaosyl ceramide, total synthesis of sulfated, C1

Lipopolysaccharide, 327

Malto- and cyclomalto-oligosaccharides, transglycosylation reaction catalysed by the decycling maltodextrinase of *Flavobacterium sp.*, 123

Maltodextrinase of Flavobacterium sp., action pattern on potato starch of the decycling, 137

α-D-Mannopyranoside monophosphates, synthesis, NMR, and conformational studies of methyl, 173

Methyl β-lactosides, convenient synthetic approach towards C-3 modified, 295

Methyl-2,3,4,6-tetra-O-(4-methoxybenzyl)-1thio-β-D-galactopyranoside, as an efficient glycosyl donor, synthesis of α -D-galactopyranosyl-linked, containing the $Gal\alpha \rightarrow$ $Gal\beta \rightarrow GlcNAc$ sequence, employing, 67

Monosaccharides, overall motion in solution, ¹³C NMR relaxation of 1,6-anhydro-β-D-glucopyuranose in dimethyl sulfoxide, 13

neo-Inositol, the unusually stable crystal structure of, 149

NMR spectroscopic identification of feruloylated oligosaccharides from sugar-beet pulp, 243

NMR spectroscopy, 327

Nucleotides, synthesis and molecular modelling of unsaturated ketohexose, 309

Oligosaccharide, synthesis of α-D-galactopyranosyl-linked, containing the Galα → Galβ → GlcNAc sequence employing methyl 2,3,4,6tetra-O-(4-methoxybenzyl)-1-thio-β-D-galactopyranoside as an efficient glycosyl donor, 67

Oligosaccharides from cell walls of sugar-beet pulp, isolation and purification of feruloylated, 227

Panax ginseng C.A. Meyer, characterisation of an anti-ulcer pectic polysaccharide from leaves of, 89

Pectic polysaccharide from leaves of Panax ginseng C.A. Meyer, characterisation of an anti-ulcer. 89

Phosphates, synthesis, NMR, and conformational studies of methyl α-D-mannopyranoside mono-, 173

Polysaccharide fraction from Strychnos potatorum seeds, composition of the coagulant, 103 Polysaccharide from Escherichia coli O90, struc-

tural studies of the O-antigenic, 209 Polysaccharides from E. coli O6: K2: H1,

Polysaccharides from E. coli O6: K2: H1, O6: K13: H1, and O6: K54: H10, structural comparison of the O6-specific, 217

Potato starch, action pattern of the decycling maltodextrinase of Flavobacterium sp., 137

Reducing sugars, the composition of, in dimethyl sulfoxide solution, 1 Rosa xyloglucan, 285

Saponin of Blighia welwitschii, structural elucidation by NMR spectroscopy of an acetylated, 79

Sialidases, bacterial and viral, inhibition by 3fluoro-N-acetylneuraminic acid, 167

²⁹Si NMR in the structural analysis of trimethylsilylated glycosides, 155 Sodium hyaluronate and oligomers, FTIR studies in amorphous solid phase and in aqueous solution, 315

Solubility of lactulose trihydrate, 163

O6-Specific polysaccharides from E. coli O6: K2:H1, O6:K13:H1, and O6:K54:H10, structural comparison, 217

Sugar-beet pulp and wheat bran, degradation of feruloylated oligosaccharides by ferulic acid esterases from A. niger, 257

Sugar-beet pulp, isolation and purification of feruloylated oligosaccharides from cell walls of, 227

Sugar-beet pulp, structure identification by NMR spectroscopy of feruloylated oligosaccharides, 243

Sugar β-ketoesters as intermediates in the synthesis of 6-deoxyheptulosurono-7,4-lactones, 303

Sulfaminoheparosansulfates, 271

Synthesis of C-3 modified methyl β-D-lactosides, 295 Synthesis of sulfated Lex pentaosyl ceramide, total, C1

Transglycosylation reaction with malto-oligosaccharides and cyclodextrins, catalysed by the decycling maltodextrinase of *Flavobacterium* sp., 123

α,α-Trehalose 2-palmitate, synthesis of 4,6:2',3':4',6'-tri-O-cyclohexylidene-, as an intermediate for the synthesis of mycobacterial 2,3-di-O-acyl-α,α'-trehalose antigens, 43 Trimethylsilylated glycosides of ²⁹Si NMR, 155

Unsaturated ketohexose nucleotides, synthesis and molecular modelling, 309

Xanthan, 197

Xanthomonas campestris, 197

D-Xylofuranose, a one-pot synthesis of 1,2-Oisopropylidene-α-, 61